WBLE-SL ► UECM3473-202201-EZZ ► Quizzes ► 202201UECM34730E2b ► Review of preview						
Info Results Preview Edit						
202201UECM34730E2b						
		Start again				
Review of preview						
	Friday, 25 February 2022, 09:40 PM					
Completed on Time taken	Friday, 25 February 2022, 09:40 PM					
	0 out of a maximum of 10 (0 %)					
1 Marks: 1	The company selects all of its or	erity are independent.				
	Answer:	x				
	Make comment or override grade Incorrect Correct answer: 13749.6896 Marks for this submission	: 0/1.				
2 🕝 Marks: 1	Aggregate claims per period have a compound Poisson distribution. You have determined that the number of claims for full credibility is 4,200 claims. It is then discovered that an incorrect value of the coefficient of variation for the severity distribution was used to determine the full credibility standard. The original coefficient of variation used was 0.4354, but the corrected coefficient of variation is 0.6322. Find the corrected number of claims for full credibility					
	Answer: Make comment or override grade Incorrect Correct answer: 4941.808479					
	Marks for this submission	: 0/1.				
3 🕏 Marks: 1		bility based on number of claims only. A full credibility standard is determined so that the number of claims is within 4% of the expected 98% of the times. For a particular group, 803 claims have been credibility factor, assuming that the number of claims is Poisson distributed				
	Answer:	x				
	Make comment or override grade Incorrect Correct answer: 0.4873 Marks for this submission	: 0/1.				

4 🗟 Marks: 1	The average claim size for a group of insureds is 1,900 with standard deviation 8,000. Claim count follows a Poisson distribution. The standard for full credibility is that the total loss should be within 5% of the expected total loss with probability 99%. We observe 5,300 claims and a total loss of 1,800,000 for a group of insureds. If our prior estimate of the total loss is 1,690,000, determine the limited fluctuation credibility estimate of the total loss for the group of insureds.					
						
	Answer:] x			
	Make comment or override grade					
	Incorrect Correct answer: 1725915 Marks for this submission	: 0/1.				
5 € Marks: 1	Claim sizes follow a lognormal Claim sizes and claim counts a The number of claims in the fir The aggregate loss in the first The manual premium for the fi The exposure in the second ye The full credibility standard is	Ints follow a Negative Binomial distribution with parameters $r=4$ and $\beta=0.58$. Its follow a lognormal distribution with coefficient variation $5.8000000000000000000000000000000000000$				
	Determine the limited fluctuation cre	dibility net premium for the second year				
	Answer:] x			
	Make comment or override grade					
	Incorrect Correct answer: 5342368 Marks for this submission	: 0/1.				
6 ♥ Marks: 1	Claim frequency follows a Poisson distribution. The coefficient of variation for claim severity is 3.3. The methods of limited fluctuation credibility are used, with a standard of aggregate losses being within 9% of expected losses 95% of the time. Determine the number of expected claims needed for 8.305% credibility.					
	Answer:		x			
	Make comment or override grade Incorrect					
	Correct answer: 38.894505 Marks for this submission	• 0/1				
	Transcrot this submission	1 0/ 11				
7 🕏	You are given:					
Marks: 1	 Number of claims follows a Binomial distribution with parameters m and q = 0.32. The standard for full credibility is set so that the actual aggregate are within 6.10% of expected losses 95% of the time. 4570 expected claims are required for 47% credibility. 					
	Answer:] <i>x</i>			
	Make comment or override grade					
	Incorrect Correct answer: 4.3998 Marks for this submission	: 0/1.				
8 E Marks: 1	 It is reasonable to assume that β varies and follows a uniform 	tribution with θ unknown and α =4.0.				

	Determine the partial credibility factor	r if the full credibility standard is to be within 2% of the expected aggregate losses 95% of the time			
	Answer:				
	Make comment or override grade Incorrect Correct answer: 0.818554 Marks for this submission	: 0/1.			
9 W Marks: 1	 The mean claim count for each The size of claims for each insu The credibility standard is that 	ven the following: insured follows a Poisson distribution. insured varies. The distribution of mean claim counts is a gamma distribution with $a_1 = 0.4$ and $\theta = 1 = 8$. red follows a Pareto distribution with parameters $a_2 = 6$ and $\theta_2 = 7000$. the aggregate claims must be with 10% of the expected number of claims P% of the time. It is assigned to this experince.			
	Answer: Make comment or override grade Incorrect Correct answer: 93.275006 Marks for this submission	: 0/1.			
10 🗑 Marks: 1	Given the type of risk, number of clai	nsurance portfolio has two types of risk, A and B. 50% of the insureds are of type A and 50% are of type B. You are given: Number of claims Size of claims			
	Answer: Make comment or override grade Incorrect Correct answer: 0.8343 Marks for this submission	: 0/1.			

Moodle Docs for this page

You are logged in as Yong Chin Khian (Logout)

UECM3473-202201-EZZ